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11/7/07
Appl. No. 09/743,684
Amdt. Dated May 4, 2006
Reply to Notice of Non-Compliant Amendment of February 9, 2006

Attorney Docket No. 89188.0130
Customer No.: 26021

known in the art and the library is screened. Screening techniques with labeled nucleic acid probes is also well known in the art.

Please replace the paragraph beginning at page 27, line 8 with the following rewritten paragraph:

In a preferred embodiment, the nucleic acid sequences which encode the polypeptides of this invention are amplified with primers that correspond to SEQ ID NOs:3 through 5 6. These primers are specific for Saposin B (SEQ ID NOs:3 and 4) and proSaposin (SEQ ID NOs:5 and 6).

Please replace the paragraph beginning at page 48, line 28 with the following rewritten paragraph:

Example 2: Saposin B ~~Inhibist~~ Inhibits Endothelial Cell Migration

Please replace the paragraph beginning at page 50, line 24 with the following rewritten paragraph:

To determine whether Saposin B was cytotoxic to CD34⁺/Flk-1⁺ progenitors, CD34⁺/Flk-1⁺ cells from cord blood were isolated and plated on fibronectin coated dishes in the presence or absence of 50 ng/mL Saposin B. In the absence of Saposin B, adherent cells were observed to proliferate and mature into spindle shaped endothelial cells. However in the presence of Saposin B, CD34⁺/Flk-1⁺ progenitor ~~growth~~ growth was inhibited.

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Please replace the ~~two~~ paragraphs beginning at page 52, line 25 with the following rewritten paragraph:

To determine if Saposin B polypeptides had anti-angiogenic activity, a series of overlapping polypeptides were synthesized and tested in the KS Y-1 cell